

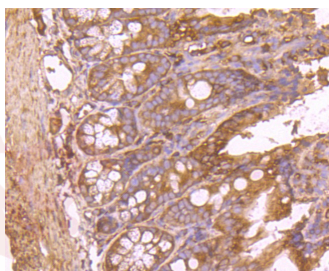
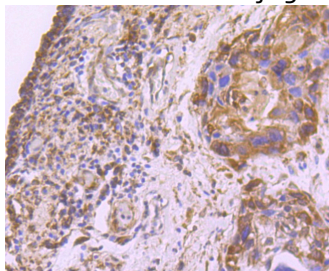
Anti-FASN Antibody (5Z147)

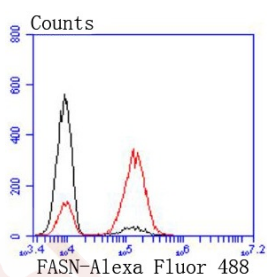
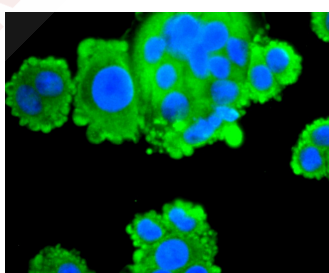
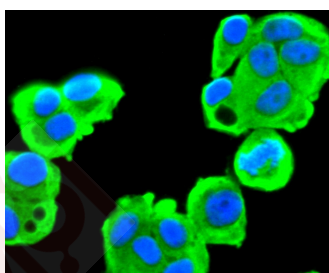
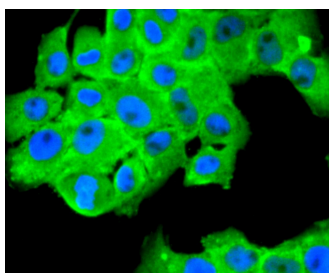
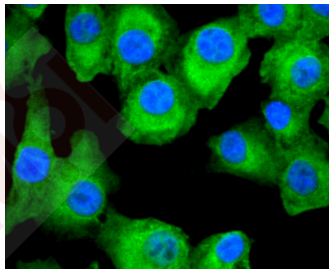
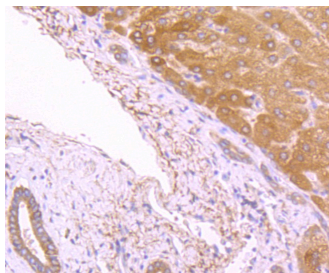
Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 273 kDa.
Clone:	5Z147
Purification:	ProA affinity purified

Applications

- Verified Activity:
1. Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using anti-Fatty Acid Synthase antibody. Counter stained with hematoxylin.
 2. Immunohistochemical analysis of paraffin-embedded mouse colon tissue using anti-Fatty Acid Synthase antibody. Counter stained with hematoxylin.
 3. Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-Fatty Acid Synthase antibody. Counter stained with hematoxylin.
 4. ICC staining Fatty Acid Synthase in A549 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
 5. ICC staining Fatty Acid Synthase in RH-35 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
 6. ICC staining Fatty Acid Synthase in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
 7. ICC staining Fatty Acid Synthase in SW480 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
 8. Flow cytometric analysis of A549 cells with Fatty Acid Synthase antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.





Application: FCM, ICC/IF, IHC, IP, WB

Recommended WB: 1:1000; IHC: 1:50-200; ICC/IF: 1:100-500; FCM: 1:50-100

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: P49327

Synonyms: FAS;SDR27X1;OA-519;fatty acid synthase

Research Background

Fatty acid biosynthesis is mediated by seven catalytic enzymes and an acyl carrier protein (ACP), to which various acyl intermediates are covalently attached. Fatty Acid Synthase (FAS) is the anabolic enzyme that contains the seven unique catalytic sites and mediates the conversion of acetyl-CoA and malonyl-CoA, in the presence of the cofactor NADPH, into long-chain saturated fatty acids, such as palmitate. Human Fatty Acid Synthase cDNA encodes a 2,504 amino acid protein. Catalytically active Fatty Acid Synthase is a homodimer. Human Fatty Acid Synthase mRNA is variably expressed with abundant levels present in brain, lung and liver. Fatty acid synthetic metabolism is abnormally elevated in tumor cells and may support cell growth or survival of malignant cancers.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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